

CLAIMS

What is claimed is:

Claim 1. A biological assay material for detecting the presence of a particular toxic substance comprising:

a base layer defined as a flexible film having two surfaces;

at least one biologically active ligand immobilized to one of said surfaces of said flexible film, said ligand having a degree of affinity for a particular toxic substance; and,

a dye conjugated to at least one peptide in contact with said ligand for which said biologically active ligand has a degree of affinity;

whereby binding of the particular toxic substance and biologically active ligand produces a visual signal which is indicative of both the presence and identity of said particular toxic substance.